

WHAT IS CLAIMED IS:

1. An optical filter comprising a laminated body with at least a color filter layer, for color correction of an incident light per each pixel, laminated on a transparent substrate; having a minute concave-convex surface with an endless number of minute concave-convex formed, by a pitch of the wavelength of the light or less, on a surface of the laminated body which is a surface opposite to the transparent substrate.

2. An optical filter comprising a laminated body with at least a color conversion layer, for color conversion of an incident light per each pixel, laminated on a transparent substrate; having a minute concave-convex surface with an endless number of minute concave-convex formed, by a pitch of the wavelength of the light or less, on a surface of the laminated body which is a surface opposite to the transparent substrate.

3. An optical filter comprising a laminated body with at least two layers of a color filter layer for color correction of an incident light per each pixel and a color conversion layer for color conversion of the incident light per each pixel are laminated in this order on a transparent substrate; having a minute concave-convex surface with an endless number of minute concave-convex formed, by a pitch of the wavelength of the light or less, on a surface of the laminated body which is a surface opposite to the transparent substrate.

4. The optical filter according to claim 1, wherein a hard coating layer is further laminated on a surface of the laminated body which is a surface opposite to the transparent substrate; and a surface of the hard coating layer, which is a surface opposite to the transparent substrate, is the minute concave-convex surface.

5. The optical filter according to claim 1, wherein a hard coating layer and a barrier layer are further laminated in this order on a surface of the laminated body which is opposite to the transparent substrate, and a surface of the barrier layer, which is a surface opposite to the transparent substrate, is the minute concave-convex surface.

6. The optical filter according to claim 1, wherein a hard coating layer, a barrier layer, and a transparent layer are further laminated in this order on a surface of the laminated body which is a surface opposite to the transparent substrate; and a surface opposite to the transparent substrate is the minute concave-convex surface.

7. An organic EL display, wherein an organic EL element comprising a light emitting layer for emitting a light per each pixel is disposed on the minute concave-convex surface side of the optical filter according to claim 1.

8. An organic EL display, wherein an organic EL element

comprising a light emitting layer for emitting a light per each pixel is disposed on the minute concave-convex surface side of the optical filter according to claim 2.

9. An organic EL display, wherein an organic EL element comprising a light emitting layer for emitting a light per each pixel is disposed on the minute concave-convex surface side of the optical filter according to claim 3.

10. The organic EL display according to claim 7, wherein the optical filter and the organic EL element are disposed with a gap in between.

11. The organic EL display according to claim 10, wherein the space in between the optical filter and the organic EL element is filled with a transparent resin.

12. The organic EL display according to claim 7, wherein a minute concave-convex surface with an endless number of minute concave-convex formed, by a pitch of the wavelength of the light or less, is provided on the optical filter side of the EL element.

13. The organic EL display according to claim 7, wherein the organic EL element is of an active matrix driving type.